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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/577,570	05/25/2000	Gunther Kolle	P19311 6334	
7055	7590 10/23/2002			
GREENBLUM & BERNSTEIN, P.L.C.			EXAMINER	
1941 ROLAN RESTON, VA	ND CLARKE PLACE A 20191	HALPERN, MARK		
			ART UNIT	PAPER NUMBER
			1731	1/
			DATE MAILED: 10/23/2002	//

Please find below and/or attached an Office communication concerning this application or proceeding.

Application N. Applicantle)  Offic Action Summary    Application N.   Applicantle)   Applicantle)   Osfort,750   College   Co			HZ				
Examin r		Application N .	Applicant(s)				
Mark Halpern   1731		09/577,570	KOLLE, GUNTHER				
- The MAILING DATE of this communication app are on the c ver sheet with th correspondence address - Period for Repty  A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE ② MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.  Extensions of time may be available under the provisions of 37 CPR 1 13(a). In no event, however, may a riply be timely filed  Extensions of time may be available under the provisions of 37 CPR 1 13(a). In no event, however, may a riply be timely filed  Extensions of the provision of the provisions of 37 CPR 1 13(a). In no event, however, may a riply be timely filed  If the period for reply appendix above, the maximum standory period wile application to bocome AdMATCONIDS (39.13.C. § 130).  If NO period for reply appendix on the maximum standory period wile application to bocome AdMATCONIDS (39.13.C. § 130).  Responsive to communication(s) filed on @5 August 2002.  2   This action is FINAL. 2   2   2   2   2   2   2   2   2   2	Offic Action Summary	Examin r	Art Unit				
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE ② MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.  - Seterations of time rany be available under the provisions of 37 CFR 1.75(a), in no event, however, may a rapity be timely field  - If the period for early specified above, the maximum statutory period will apply within the statutory minimum of bitiny (30) days, will be considered streety.  - If NO period for early specified above, the maximum statutory period will apply and will eagin SIX (b) MONTHS from the mailing calls of this communication.  - If NO period for regly is appeciated above, the maximum statutory period will apply and will eagin SIX (b) MONTHS from the mailing calls of this communication, even at timely field, may reduce any examine patient term adjustment. See 37 CFR 1.75(d).  - Status  - 1) MO period for regly specified above, the maximum statutory period will apply and will eagin SIX (b) MONTHS from the mailing calls of this communication, even at timely field, may reduce any examine patient term adjustment. See 37 CFR 1.75(d).  - 1) MONTHS from the mailing calls of this communication, even at timely field, may reduce any examine and patient term adjustment. See 37 CFR 1.75(d).  - 1) MONTHS from the mailing calls of this communication, even at timely field, may reduce any examine and patient term adjustment.  - 1) Months action is FINAL.  - 2) MONTHS from the mailing calls of this communication, even at timely field, may reduce any examine and exam							
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 2 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.  Extractions of time may be available under the provisions of 3° CFR 1.35(a). In no event, however, may a reply be timely filled  the period for reply specified above is less sharthing (30) days, a reply within the studiety minimum of biting (30) days, will be considered timely.  If the period for reply specified above is less sharthing (30) days, a reply within the studiety minimum of biting (30) days, will be considered timely.  If the period for reply specified above is less sharthing (30) days, a reply within the studiety price of the communication, and the studiety will be set of extended period for reply and less than the studiety price of the communication, we will finally filled, may reduce any seamed patient time adelerment. See 3° CFR 1.70(a).  Status  1) Responsive to communication(s) filled on 05 August 2002.  2a) This action is FINAL.  2b) This action is non-final.  3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Queyle, 1935 c. D. 11, 453 O.G. 213.  Disp sition of Claims  4) Claim(s) 1-28 is/are pending in the application.  4a) Of the above claim(s) is/are withdrawn from consideration.  5) Claim(s) 1-28 is/are rejected.  7) Claim(s) is/are allowed.  6) Claim(s) 1-28 is/are rejected to 8.  Application Papers  Olimination of the drawing(s) filled on is/are: a) cecepted or b) because the Examiner.  Application Papers  10) The drawing(s) filled on is/are: a) cecepted or b) because the in abeyance. See 37 CFR 1.85(a).  11) The proposed drawings are required in reply to this Office action.  12) The contin or declaration is objected to by the Examiner.  Priority under 35 U.S.C. §§ 119 and 120  13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a) (d) or (f).  a) All b) Some collection of the foreign priority documents have been received.  2 Certi							
- if NO period for repty is specified above, the maximum stantory period will apply and will expire SIX (5) NONTHS from the maling date of this communication.  Failus to pay within the set or centered period for reply with by status, cause the application to be borner ARAPHORED (35 U.S. € § 133).  Since provided the set of the communication (s) filed on 05 August 2002.  2a) This action is FINAL.  2b) This action is non-final.  3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.  Disp sition of Claims  4) Claim(s) 1-28 is/are pending in the application.  4a) Of the above claim(s) is/are withdrawn from consideration.  5) Claim(s) 1-28 is/are allowed.  6) Claim(s) 1-28 is/are allowed.  6) Claim(s) 1-28 is/are objected to.  8) Claim(s) 1-28 is/are objected to.  8) Claim(s) 1-28 is/are objected to.  8) Claim(s) 1-28 is/are objected to by the Examiner.  10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.  Application Papers  9) The specification is objected to by the Examiner.  11) The proposed drawing correction filed on is: a) approved b) disapproved by the Examiner.  12) The proposed drawing correction filed on is: a) approved by disapproved by the Examiner.  12) The proposed drawing correction filed on is: a) approved by disapproved by the Examiner.  12) The cath or declaration is objected to by the Examiner.  13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) All b) Some * c) None of:  1. Certified copies of the priority documents have been received.  2. Certified copies of the priority documents have been received in Application No. paper application from the International Bureau (PCT Rule 17.2(a)).  *See the attached detailed Office action for a list of the certified copies not received.  15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(a) (o a pro	A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION.  - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication.	36(a). In no event, however, may a reply be ti	mely filed				
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4a) Of the above claim(s) is/are withdrawn from consideration.  5) □ Claim(s) is/are allowed.  6) ☒ Claim(s) is/are rejected.  7) □ Claim(s) is/are rejected.  7) □ Claim(s) is/are objected to.  8) □ Claim(s) are subject to restriction and/or election requirement.  Application Papers  9) □ The specification is objected to by the Examiner.  10) □ The drawing(s) filed on is/are: a) □ accepted or b) □ objected to by the Examiner.  Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  11) □ The proposed drawing correction filed on is: a) □ approved b) □ disapproved by the Examiner.  If approved, corrected drawings are required in reply to this Office action.  12) □ The oath or declaration is objected to by the Examiner.  Priority under 35 U.S.C. §§ 119 and 120  13) □ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) □ All b) □ Some * c) □ None of:  1. □ Certified copies of the priority documents have been received.  2. □ Certified copies of the priority documents have been received in Application No  3. □ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.  14) □ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  a) □ The translation of the foreign language provisional application has been received.  15) □ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.  Attachment(s)  Notice of Preferences Cited (PTO-892)  Notice of Informal Patent Application (PTO-152)	•						
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6  Claim(s) 7-28 is/are rejected.  7  Claim(s) is/are objected to.  8  Claim(s) is/are objected to.  8  Claim(s) is/are objected to.  8  Claim(s) are subject to restriction and/or election requirement.  Application Papers  9  The specification is objected to by the Examiner.  10  The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.  Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  11) The proposed drawing correction filed on is: a) approved b) disapproved by the Examiner.  If approved, corrected drawings are required in reply to this Office action.  12) The oath or declaration is objected to by the Examiner.  Priority under 35 U.S.C. §§ 119 and 120  13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) All b) Some * c) None of:  1 Certified copies of the priority documents have been received.  2 Certified copies of the priority documents have been received in Application No  3 Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.  14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  a) The translation of the foreign language provisional application has been received.  15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.  Attachment(s)  10 Notice of Praftsperson's Patent Drawing Review (PTO-948)  51 Interview Summary (PTO-413) Paper No(s)  52 Notice of Informal Patent Application (PTO-152)	,						
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### **DETAILED ACTION**

- 1) Acknowledgement is made of Appeal Brief received 8/5/2002, Paper No. 10.
- 2) The finality of Office Action of 2/1/2002, Paper No. 6, is withdrawn in view of the Appeal Brief and upon reconsideration of art in the prior art.
- 3) Claims 1-28, rejection under 35 U.S.C. 103(a) as being unpatentable over Paraskevas (4,480,796) in view of Zugelder (3,608,976), is withdrawn in view of the arguments presented in the Appeal Brief.

## Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 4) Claims 1-2, 6-8, 10-16, 18-22, are rejected under 35 U.S.C. 102(b) as being anticipated by Akio (3,304,056). Akio discloses a turbine blade having a leading front surface. The leading front surface has the back of an anti-wear stellite plate soldered or attached by fusion to it. The plate is made of a cobalt-tungsten-chromium alloy, and the plate is for erosion protection. The stellite plate may be made of other erosion resistant alloy metal. The plate protrudes past the leading front surface of the blade at angle of less than 45 degrees, has a beveled surface and is of cylindrical and conical shape (col. 1-3, and Figures 1-5).

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#### Claim R j ctions - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

- (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- Claim 9 is rejected under 35 U.S.C. 103(a) as being unpatentable over Akio in view of Stoffer (3,365,126). Akio is applied as above for claim 1, Akio fails to disclose that the leading front surface of a blade is completely covered by an anti-wear element. Stoffer discloses a leading front surface of a rotor blade completely covered by an anti-wear element (col. 2, lines 53-68, col. 4, lines 4-73, and Figures 4, 5). It would have been obvious, to one skilled in the art at the time the invention was made, to combine the teachings of Akio and Stoffer of completely covering the leading front surface of the blade with anti-wear element, because such a combination would extend the erosion protection and thus increase the life of the blade in the Akio design.
- 6) Claims 3-5, 17, 23-28, are rejected under 35 U.S.C. 103(a) as being unpatentable over Mannes (5,509,536) in view of Akio.

Claims 3, 17, 23: Mannes discloses a paper fiber processing apparatus that includes a tank 1, a screen 3', and a rotor with at least one blade 7' rotatably coupled adjacent to said screen. Stock suspension is circulated in the tank. Mannes fails to disclose having the leading front surface of the rotor blade protected by a wear resistant element (col. 2, line 34 to col. 3, line 62, and Figures 1-5). Akio as in item 4 above, discloses a rotor having at least one blade and having its leading front surface protected

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by a wear resistant element. It would have been obvious, to one skilled in the art at the time the invention was made, to combine the teachings of Mannes and Akio, because such a combination would provide wear protection of the rotor thus extend the life of the apparatus of Mannes.

Claims 24-26 are disclosed by Akio in item 4, above.

Claims 4-5, 27-28: the apparatus of Mannes is a pulper.

#### Conclusion

7) Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mark Halpern whose telephone number is 703-305-4522. The examiner can normally be reached on Mon-Fri, (9:00-5:30).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Steven Griffin can be reached on 703-308-1164. The fax phone numbers for the organization where this application or proceeding is assigned are 703-308-7718 for regular communications and 703-305-3599 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-0651.

MH

Mark Halpern Patent Examiner Art Unit 1731

October 16, 2002

STEVEN P. GRIFFIN SUPERVISORY PATENT EXAMINER TECHNOLOGY CENTER 1700

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